IN THE CLAIMS:

1   1.   A system for a network of computers, including
2   personal computers, comprising:
3   means for network services including browsing
4   functions, as well as shared computer processing such as
5   parallel processing, to be provided to said personal
6   computers within said network;
7   at least two said personal computers;
8   means for at least one of said personal computers,
9   when idled by a personal user, to be made available
10 temporarily to provide said shared computer processing
11 services to said network; and
12   means for monitoring on a net basis the provision of
13 said services to each said personal computer or to said
14 user.

1   2.   The system of claim 1, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers.

1   3.   The system of claim 2, wherein said system
2   includes at least 1024 said personal computers.

1   4.   The system of claim 1, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers participating in a single
4   shared computer processing operation.

1   5.   The system of claim 4, wherein said system
2   includes at least 256 said personal computers.

1   6.   The system of claim 1, wherein said network is
2   connected to the Internet and its equivalents and
3   successors, so that said personal computers include at
4   least a million personal computers.

1   7.   The system of claim 1, wherein said network is

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2   connected to the World Wide Web and its successors.

1   8.   The system of claim 1, wherein said network
2   includes at least one network server that participates in
3   said shared computer processing.

1   9.   The system of claim 1, wherein said monitoring
2   means includes a meter device to measure the flow of
3   computing power between said personal computers and said
4   network.

1   10. The system of claim 1, wherein said monitoring
2   means includes a means by which said personal user of
3   said personal computer is provided with a prospective
4   estimate of cost for said network to execute an operation
5   requested by said user prior to execution of said
6   operation by said network.

1   11. The system of claim 1, wherein said system has
2   a control means by which to permit and to deny access to
3   said personal computers by said network for shared
4   computer processing.

1   12. The system of claim 1, wherein access to said
2   personal computers by said network is limited to those
3   times when said personal computers are idle.

1   13. The system of claim 1, wherein said personal
2   computers having at least one microprocessor and
3   communicating with said network through a connection
4   means having a speed of data transmission that is at
5   least greater than a peak data processing speed of said
6   microprocessor.

1   14. A system for a network of computers, including
2   personal computers, comprising:
3   means for network services including browsing

4   functions, as well as shared computer processing such as
5   parallel processing, to be provided to said personal
6   computers within said network;
7   at least two said personal computers;
8   means for at least one of said personal computers,
9   when idled by a personal user, to be made available
10   temporarily to provide said shared computer processing
11   services to said network; and
12   means for maintaining a standard cost basis for the
13   provision of said services to each said personal computer
14   or to said user.

1   15.   The system of claim 14, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers.

1   16.   The system of claim 15, wherein said system
2   includes at least 1,024 said personal computers.

1   17.   The system of claim 14, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers participating in a single
4   shared computer processing operation.

1   18.   The system of claim 17, wherein said system
2   includes at least 256 said personal computers.

1   19.   The system of claim 14, wherein said network is
2   connected to the Internet and its equivalents and
3   successors, so that said personal computers include at
4   least a million personal computers.

1   20.   The system of claim 14, wherein the standard
2   cost is fixed.

1   21.   The system of claim 14, wherein the fixed
2   standard cost is zero.

22.   The system of claim 14, wherein said means for
maintaining a standard cost basis includes the use of
making available a standard number of said personal
computers for shared processing by said personal
computers.

23.   The system of claim 14, wherein said network is
connected to the World Wide Web and its successors.

24.   The system of claim 14, wherein said personal
user can override said means for maintaining a standard
cost basis so that said personal user can obtain
additional network services.

25.   The system of claim 14, wherein said system has
a control means by which to permit and to deny access to
said personal computers by said network for shared
computer processing.

26.   The system of claim 14, wherein said personal
computers having at least one microprocessor and
communicating with said network through a connection
means having a speed of data transmission that is at
least greater than a peak data processing speed of said
microprocessor.

27.   A system for a network of computers, including
personal computers, comprising:
    at least two said personal computers;
    means for at least one said personal computer, when
directed by its personal user, to function temporarily as
a master personal computer to initiate and control the
execution of a computer processing operation shared with
at least one other said personal computer in said
network;
    means for at least one other said personal computer,
when idled by its personal user, to be made available to

12   function temporarily as at least one slave personal
13   computer to participate in the execution of a shared
14   computer processing operation controlled by said master
15   personal computer, and
16   means for said personal computers to alternate as
17   directed between functioning as a master and functioning
18   as a slave in said shared computer processing operations.

1   28.   The system of claim 27, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers.

1   29.   The system of claim 28, wherein said system
2   includes at least 256 said personal computers.

1   30.   The system of claim 27, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers participating in a single
4   shared computer processing operation.

1   31.   The system of claim 30, wherein said system
2   includes at least 256 said personal computers.

1   32.   The system of claim 27, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers participating in a single
4   shared computer processing operation.

1   33.   The system of claim 27, wherein said system
2   includes at least 256 said personal computers.

1   34.   The system of claim 27, wherein said network is
2   connected to the Internet and its equivalents and
3   successors, so that said personal computers include at
4   least a million personal computers.

1   35.   The system of claim 27, wherein said shared

2   computer processing is parallel processing.

1   36.   The system of claim 27, wherein said network is
2   connected to the World Wide Web and its successors.

1   37.   The system on claim 27, wherein a means for
2   network services, including browsing and broadcast
3   functions, as well as shared computer processing such as
4   parallel processing, are provided to said personal
5   computers within said network.

1   38.   The system of claim 27, wherein said network
2   includes at least one network server that participates in
3   said shared computer processing.

1   39.   The system of claim 27, wherein said personal
2   computers include a transponder means so that a master
3   personal computer can determine the closest available
4   slave personal computers.

1   40.   The system of claim 27, wherein said closest
2   available slave personal computer is compatible with said
3   master personal computer to execute said shared computer
4   processing operation.

1   41.   The system of claim 27, wherein said personal
2   computers having at least one microprocessor and
3   communicating with said network through a connection
4   means having a speed of data transmission that is at
5   least greater than a peak data processing speed of said
6   microprocessor.

1   42.   A system architecture for computers, including
2   personal computers, to function within a network of
3   computers, comprising:
4   a computer with at least two microprocessors and
5   having a connection means with a network of computers;

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6   said architecture for said computers including a
7   firewall means for personal computers to limit access by
8   said network to only a portion of the hardware, software,
9   firmware, and other components of said personal
10 computers;
11   said firewall means will not permit access by said
12 network to at least a one said microprocessor having a
13 means to function as a master microprocessor to initiate
14 and control the execution of a computer processing
15 operation shared with said at least one other
16 microprocessor having a means to function as a slave
17 microprocessor; and
18   said firewall means permitting access by said
19 network to said slave microprocessor.

1   43.   The system architecture of claim 42, wherein
2   said computer is a personal computer.

1   44.   The system architecture of claim 43, wherein
2   said personal computer is a microchip.

1   45.   The system architecture of claim 42, wherein
2   said computer have a control means by which to permit and
3   to deny access to said computer by the network for shared
4   computer processing.

1   46.   The system of claim 45, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers.

1   47.   The system of claim 46, wherein said system
2   includes at least 256 said personal computers.

1   48.   The system of claim 43, wherein said network is
2   connected to the Internet and its equivalents and
3   successors, so that said personal computers include at
4   least a million personal computers.

1   49.   The system of claim 43, wherein said system is
2   scalar in that said system imposes no limit to the number
3   of said personal computers participating in a single
4   shared computer processing operation.

1   50.   The system of claim 49, wherein said system
2   includes at least 256 said personal computers.

1   51.   The system of claim 43, wherein said personal
2   computers having at least one microprocessor and
3   communicating with said network through a connection
4   means having a speed of data transmission that is at
5   least greater than a peak data processing speed of said
6   microprocessor.